

Protecting Our Water Environment

Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611

312 / 751-5600

CECIL LUE-HING

Director of Research & Development

November 27, 1990

RECEIVED

Mr. Ed Marek
Acting Manager
Chicago Area Region
Field Operations Section
Illinois Environmental
Protection Agency
1701 First Avenue
Maywood, Illinois 60153

Dear Mr. Marek:

EPA Region 5 Records Ctr.



300953

Subject: Progress Report for the 103rd and Doty
Closure Plan for October 1990

This letter transmits information and data for the month of October 1990 on the closure plan for the 103rd and Doty site.

Total amount of sludge delivered to the Doty site in October 1990 was 7,610 dry tons.

Total precipitation recorded for October 1990 at the site was 4.7 inches.

Phase I construction activities and status during October included the following:

1. East slope - Regrading and application of the first lift and second lift of clay cap have been completed. Approximately 90 percent of application of the third (final) lift of clay cap has been completed.
2. South slope - Fill and grading have been completed. Approximately 75 percent of application of the first lift of clay and 35 percent of the second lift of clay have been completed.
3. South pond - Excavation, grading and application of the first and second lifts of clay cap have been completed. The third (final) lift of clay cap application is 90 percent complete.
4. North pond - Excavation and grading are complete. Approximately 60 percent of application of the first lift of clay has been completed.

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State of Illinois

Mr. Ed Marek

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November 27, 1990

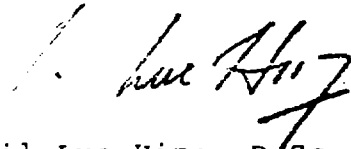
SUBJECT: Progress Report for the 103rd and Doty
Closure Plan for October 1990

5. Reinforced concrete pipe along Doty Avenue -
This is complete except for installation of two
culvert pipes and connecting pipes.
6. Installation of ductile iron pipe connecting
retention ponds to sewers has been completed.
7. Road ditches, manholes, and draw-off boxes -
This is 30 percent complete.

Overall, Phase I construction was approximately 80 per-
cent complete as of the end of October 1990.

On October 10, a retention pond in the southeast corner
of the site overflowed, and water entered the Stony Island
Avenue ditch and a wetlands area east of the site. Rainfall
on October 9 and 10 totalled 2.4 inches. A sample of the pond
overflow was taken on October 10 and the analysis is presented
in Table 1. The IEPA Maywood office was informed of this in-
cident by telephone on October 10, 1990.

Very truly yours,



Cecil Lue-Hing, D.Sc., P.E.
Director
Research and Development

CLH:JG:ns
Attachment

cc: Chappel (IEPA)
Keller (IEPA)
Rogers (IEPA)
Gould (IEPA)
DiVita
Knight
Murray
Neubauer
Hall

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 1

ANALYSIS OF A RETENTION POND OVERFLOW WHICH ENTERED THE
STONY ISLAND AVENUE DITCH AND A WETLAND AREA
ON OCTOBER 10, 1990

Constituent	Concentration*
pH units	7.5
Electrical Conductivity, mS/m	78.4
BOD	8.0
Total P	0.85
TKN	5.86
NH ₃ -N	0.86
NO ₂ +NO ₃ -N	5.55
Total Dissolved Solids	706
Cyanide	0.025
Phenol	0.017
B	0.20
Cd	<0.02
Cr	0.03
Cu	0.05
Fe	2.3
Pb	0.04
Mn	0.34
Ni	<0.1
Ag	<0.002
Zn	<0.1

*Mg/L, except as noted.